



HOLMES

COMMUNITY COLLEGE

YOUR EDUCATION. YOUR WAY.

DISTRICT BULLETIN
GOODMAN • RIDGELAND • GRENADA
2012-2013

AMENDMENT I to HOLMES COMMUNITY COLLEGE BULLETIN 2012-2013

Expenses: The Dormitory Charges Per Semester have been changed to \$700.

The following Technical Programs have been changed:

**Computer Programming Technology
(Grenada Center)**

BOT 1213, BOT 2813 & BAD 2813 are removed from First Year, First Semester and replaced by CPT 1323, BOT 1133, & CSC 1123 which are removed from First Year, Second Semester. IST 2923 is added to First Year, Second Semester.

**Architectural Engineering Technology
Certificate and AAS Degree
(Goodman)**

FIRST YEAR

Fall		Spring	
Graphic Communications	ENT1113	Structural Drafting	ENT2233
Principles of CAD	ENT1313	Intermediate CAD	ENT1323
Computational Methods	ENT1123	Architectural Design II	ENT2623
Construction Materials	ENT1213	Advanced CAD	ENT2343
Civil Drafting	ENT2153	Fundamentals of Multimedia	ENT2923
Architectural Design I	ENT1613	Special Projects	ENT2912
18 HOURS		17 HOURS	

One-Year Certificate may be earned at this point (35 Hours).

SECOND YEAR

Fall		Spring	
English Comp I	ENG1113	Public Speaking	SPT1113
**College Algebra	MAT1313	Humanities/Fine Arts Elective	3 Hrs
Social/Behavioral Science Elec	3 Hrs	*Approved Elective	9 Hrs
*Approved Electives	6 Hrs		15 HOURS
15 HOURS			

The Architectural Engineering Technology program educates students in the process of producing design projects from schematics through construction. The program is designed to prepare its graduates for employment in architectural related firms, including architectural offices, design building firms, engineering firms, governmental agencies, real estate developers, planning offices and architectural material suppliers and manufacturers.

Upon successful completion of the curriculum, the graduate may earn a One-Year Certificate or an Associate of Applied Science Degree (AAS) in Architectural Engineering Technology. The curriculum also has the option of transfer to a four-year university offering a related course of study thereby leading to a Bachelor of Science Degree (BS) in Architectural Engineering Technology.

*Approved electives: BOT 1133, BOT 1813, ENT 1153, ENT 2243, ENT 2643

**ENT 1123 – Computational Methods plus a Natural Science w/Lab may be substituted

**Construction Engineering Technology
(Ridgeland Campus)**

<i>1st Semester</i>	<i>2nd Semester</i>
ENT 1313 Principles of CAD ENT 1213 Construction Materials ENT 1233 Plans & Doc Interpretation ENT 1113 Graphic Communications ENT 1123 Computational Methods ENT 1243 Building Codes & Construction Doc.	ENT 1613 Arch Design 1 ENT 2643 Architectural Rendering ENT 2153 Civil Drafting ENT 2623 Architectural Design ENT 2923 Multimedia ENT 1523 Landscape Design ENT 2911 Special Projects
18 hours	19 hours
One Year Certification May be Earned At This Point	
<i>3rd Semester</i>	<i>4th Semester</i>
English Composition I College Algebra *Approved Electives 7 hrs.	Social/Behavioral Humanities /Fine Arts Public Speaking *Approved Electives 3 hrs.
12 hours	12 hours

*Approved electives: ENT 1143, ENT 1153, ENT 2233, ENT 2243

**ENT 1123 – Computational Methods plus a Natural Science w/Lab may be substituted

Drafting & Design Technology

Approved electives and College Algebra have been changed as follows:

*Approved electives: ENT 1143, ENT 2323, ENT 2364, ENT 2623

**College Algebra

**ENT 1123 – Computational Methods plus a Natural Science w/Lab may be substituted

**Industrial Engineering Technology
(Ridgeland Campus & Online)**

<i>1st Semester</i>	<i>2nd Semester</i>
ENT 1313 Principles of CAD 3 ENT 1213 Construction Materials 3 ENT 2263 Quality Assurance 3 ENT 1113 Graphic Communications 3 ENT 1123 Computational Methods 3 ENT 2443 Prin Manu. Management 3	ENT 1323 Intermediate CAD ENT 2233 Structural Drafting ENT 1813 Design for Manufacturing ENT 1133 Technology Graphics ENT 1153 Industrial Safety ENT 2273 Facilities Planning 3 ENT 2911 Special Projects 1
18 hours	19 hours
One Year Certificate May Be Earned At This Point	
<i>3rd Semester</i>	<i>4th Semester</i>
English Composition I **College Algebra Humanities/Fine Arts Elective *Approved electives 4	Social/Behavioral Elective Public Speaking *Approved electives 6
13 hours	12 hours

*Approved electives: ENT 2243, ENT 2343, ENT 2364, ENT 2923

**ENT 1123 – Computational Methods plus a Natural Science w/Lab may be substituted

**Industrial Technology
(Goodman)
First Year**

Principles of CAD	(ENT 1313)	Intermediate CAD	(ENT 1323)
Graphic Comm.	(ENT 1113)	Tech. Graphics	(ENT 1133)
	or Comp. Numerical Cont.	(ENT 2364)
Power Tool App.	(IMM 1224)	Ind. Electricity for Ind. Main.	(IMM 1813)
Geo. Dim. & Tolerancing	(ENT 1143)	Approved Elective	(4hrs)
Comp. Methods	(ENT 1123)	Advanced CAD	(ENT 2343)
		Main. Welding and Metals	(IMM 1734)
	16 hours		19-20 hours

One-Year Certificate can be earned at this point.

Second Year

Fall		Spring	
English Comp I	ENG1113	Public Speaking	SPT1113
**College Algebra	MAT1313	Humanities/Fine Arts Elective	3 Hours
Social/Behavioral Science Elective	3	*Approved Elective	9 hrs.
*Approved Electives	6 hrs.		15 Hrs.
	15 Hrs.		

Program Description: The **Industrial Technology** program is designed for students who want to prepare for employment leading to supervisor, administrative, and other management positions in the production areas of industry or into industrial distribution, wholesale levels sales, distribution and/or installation of industrial products and equipment.

**This curriculum also has the option to transfer to a four-year university offering a related course of study leading to a Bachelor of Science Degree (BS). Natural Science with Lab would have to be used for the Approved Electives for transfer option.

*Approved electives: BOT 1133, BOT 1813, ENT 1213, ENT 2243, ENT 2263, ENT 2423, ENT 2923

**ENT 1123 – Computational Methods plus a Natural Science w/Lab may be substituted

**Interior Design
Goodman
First Year**

Principles of CAD	ENT 1313	Intermediate CAD	ENT 1323
Graphic Communications	ENT 1113	Advanced CAD	ENT 2343
Visual Communications in Design	ENT 2513	Intermediate Design	ENT 2523
Principles of Design	ENT 1513	Rendering	ENT 2643
Design Materials & Install Methods	ENT 2533	Advanced Visual Literacy in Design	ENT 2563
Visual Literacy in Design	ENT 2543	Portfolio Development	ENT 2572
	18 hours		17 hours

Summer School

Internship/Special Project in Design [ENT 1591-3]

One-Year Certificate can be earned at this point.

Second Year

English Comp I	ENG 1113	Public Speaking	SPT 1113
**College Algebra	MAT 1313	Social/Behavioral Science	3 hrs
Fine Arts/Humanities	3 hrs	*Approved Electives	6 hrs
*Approved Electives	6 hrs		
	15 hours		12 hours

Interior Design is a program that prepares individuals to apply artistic principles and techniques to the professional planning, designing, equipping, and furnishing of residential and commercial interior spaces. The program includes instruction in computer applications, drafting, and graphic techniques in both residential and commercial environments.

*Approved Electives: ENT 1153, ENT 2243, ENT 2713, ENT 2923

**ENT 1123 – Computational Methods plus a Natural Science w/Lab may be substituted

Heating, Ventilation, AC & Refrigeration Technology Goodman Campus

First Year

First Semester		Second Semester	
Basic Compression Refrigeration	ACT 1124	Refrigeration System Comp	ACT 1313
Electricity for HVACR	ACT 1713	Controls	ACT 1213
Tools and Piping	ACT 1133	Professional Service Proced	ACT 1813
Air Conditioning I	ACT 2414	Air Conditioning II	ACT 2424
Heating Systems	ACT 2513	Commercial Refrigeration	ACT 2324
Heat Load and Air Properties	ACT 2623	Refrigerant, Retrofit & Regs	ACT 2433
Total	20 hrs.	Total	20 hrs.

One-Year Certificate can be earned at this point.

Second Year

First Semester		Second Semester	
English Composition I	ENG 1113	Humanities/Fine Arts Elective	3
*College Algebra	MAT 1313	Public Speaking	SPT 1113
Social/ Behavioral Science Elective	3	Approved Technical Elective	3
Approved Technical Elective	3	Approved Technical Elective	3
	12 hrs.		12 hrs.

***MAT 1233 or BOT 1313 & Natural Science with lab may be substituted.**

Approved Technical Electives:

Electricity & Electronics ENT 1813
 Hydraulics/Pneumatics IMM 1313
 Industrial Electricity/Ind. Maintenance Mechanics IMM 1814
 Equipment Maintenance/Troubleshooting & Repair IMM 2113
 AC Circuits EET 1123
 DC Circuits EET 1114
 Digital Electronics+ EET 1214
 Maintenance Welding & Metals IMM 1733
 Forging & Welding ENT 2323
 Basic Apps of Ind. Safety ENT 1153
 Residential/Light Commercial Wiring ELT 1113
 Solid State Motor Control ELT 2424
 Work-Based Learning WBL 1911-3
 Work-Based Learning WBL 1921-3

The following technical courses have been changed or added:

ACT 2624 - Heat Load & Air Properties (2 hrs lect/4 hrs lab/4 hrs credit) to ACT 2623 (2 hrs lect/2 hrs lab/3 hrs credit)

ACT 1125 - Basic Compressions Refrigeration (2 hrs lect/6hrs lab/5 hrs credit) to ACT 1124 (2 hrs lect/4 hrs lab/4 hrs credit)

BOT 1513 has been added as a prerequisite to BOT 2523

DDT 2273 – Facilities Planning has been changed to ENT 2273.

ENT 1123 - Computational Methods for Drafting from 2 hour lecture 2 hour lab to 3 hour lecture.

ENT 1133 - Technology Graphics from 6 hour lab to 2 hour lecture 2 hour lab.

ENT 1143 – Geometric Dimensioning & Tolerancing has had its prerequisite of ENT 1133 removed.

ENT 1213 - Construction Materials from 2 hour lecture 2 hour lab to 3 hour lecture.

ENT 1233 – Plans and Document Interpretation.

Graphic techniques used in the construction industry. This course includes computation of areas and volumes, interpretation of construction plans and specifications, and symbols and terms used in the residential, commercial, and heavy construction industry. Three lectures. Three hours credit.

ENT 1243 – Building Codes & Construction Documents.

Introduction to building code compliance, the role of inspection in building construction, and overview of construction contracts and specifications. Three lectures. Three hours credit.

ENT 1513 – Principles of Design.

This course is designed as an introduction to the field of interior design with emphasis on processes and resources of the designer. 3 hours lecture. 3 hours credit.

ENT 1523 – Landscape Design.

An introduction to the concepts, principles, and elements of landscape design, this course includes instruction and practice in the use of drawing instruments and supplies and in conducting a site analysis. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 159(1-3) – Internship/Special Project in Design (Pre-requisite – successful completion of the core technical courses.)

This course is designed for the student to use the skills and knowledge gained in other design courses. It is a cooperative program between industry and education designed to integrate the student's technical studies with industry experience. Variable credit is awarded on the basis of one credit hour per 45 industry contact hours. 1 – 3 hours credit.

ENT 1613 Architectural Design I from 1 hour lecture 4 hour lab to 2 hour lecture 2 hour lab (change from pre req GRA1143/ENT1114 and ENT1313 to pre req ENT1313).

ENT 1823 – Design for Manufacturing

Instruction in various methods of manufacturing with emphasis on the drafter's role in manufacturing
Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2243 - Cost Estimating from 2 hour lecture 2 hour lab to 3 hour lecture.

ENT 2263 - Quality Assurance from 2 hour lecture 2 hour lab to 3 hour lecture.

ENT 2273 – Facilities Planning.

This course deals with the techniques and procedures for developing an efficient facility layout and introduces some of the state-of-the-art tools involved, such as 3-D design and computer simulation. Two lectures. Two hours laboratory. Three hours credit

ENT 2343 - Advanced CAD from 1 hour lecture 4 hour lab to 2 hour lecture 2 hour lab (change from pre - req ENT 1323 to pre- req ENT 1313).

ENT 2364 - Computer Numerical Control from 2 hour lecture, 4 hour lab, 4 hours credit to ENT 2363
Computer Numerical Control 2 hour lab, 2 hour lecture, 3 hours credit.

ENT 2413 - History and Appreciation of Artcrafts from 1 hour lecture 5 hour lab to 2 hour lecture 2 hour lab.

ENT 2443 - Principles of Manufacturing Management from 1 hour lecture 5 hour lab to 3 hour lecture.

ENT 2513 – Visual Communications in Design. (Co-requisite: ENT 1113)

This course is designed as an introduction to visual communications in interior design with emphasis on orthographic and free-hand drawing and visual design terminology. 2 hours lecture. 2 hours laboratory. 3 hours credit.

ENT 2523 – Intermediate Design (Pre-requisite ENT 1513).

This course is a studio course for the exploration and application of design methodology to interior environments. 2 hours lecture. 2 hours laboratory. 3 hours credit.

ENT 2533 – Design Materials and Installation Methods

This course is a study of architectural materials for interiors with an emphasis on selection, cost, installation, construction supervision and code/standards requirements. 3 hours lecture. 3 hours credit.

ENT 2543 – Visual Literacy in Design

This course is an exploration of various communication methods in interior design through a variety of projects. 2 hours lecture. 2 hours laboratory. 3 hours credit.

ENT 2563 – Advanced Visual Literacy in Design (Pre-requisite ENT 2543)

This course is an exploration of advanced graphic communication and modeling methods in interior design through a variety of projects. 2 hours lecture. 2 hours laboratory. 3 hours credit.

ENT 2572 – Portfolio Development

This course is an introduction to various portfolio techniques, documentation methods and career planning for the interior design profession. 2 hours lecture. 2 hours credit.

ENT 2623 - Architectural Design II from 1 hour lecture 4 hour lab to 2 hour lecture 2 hour lab.

ENT 2923 - Fundamentals of Multimedia from 1 hour lecture 4 hour lab to 2 hour lecture 2 hour lab.

The following Career Program has been changed:

**Welding and Cutting Technology
One-Year Certificate
(Goodman)**

Fall Semester		Spring Semester	
Shielded Metal Arc Welding I	WLV 1116	Drawing & Symbol Interpretation	WLV 1232
Gas Metal Arc Welding	WLV 1124	Gas Tungsten Arc Welding	WLV 1136
Shielded Metal Arc Welding II	WLV 1226	Cutting Processes	WLV 1314
Welding Inspection & Testing Principles	WLV 1171	Flux Cored Arc Welding	WLV 1143
		Pipe Welding	WLV 1154
Total	17 HOURS	Total	19 HOURS

I certify the above amendment to be true and correct in content and in policy.



Dr. Fran Cox, Vice President for Academic Programs

Date